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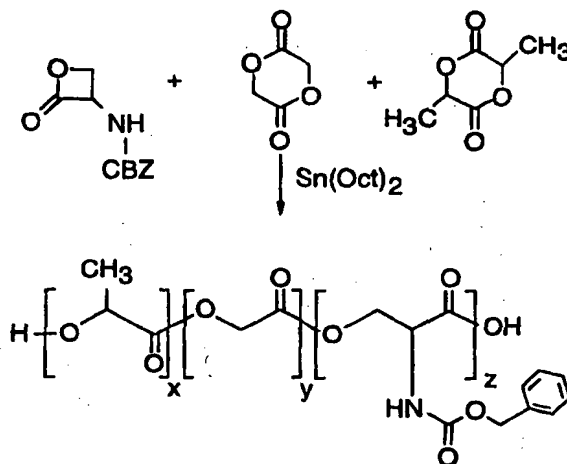
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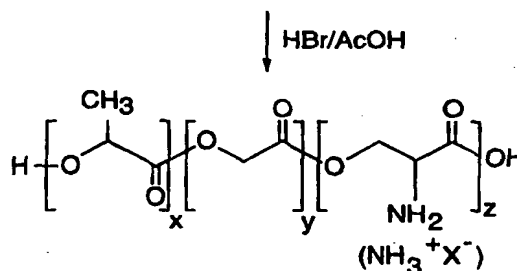
Title: BIODEGRADABLE TARGETABLE MICROPARTICLE DELIVERY SYSTEM

Abstract

Copolymers designed for use as particulate carriers containing functionalizable amino acid subunits for coupling targeting ligands are described. The copolymers polyesters composed of α -hydroxy acid subunits such as D,L-lactide and pseudo- α -amino acid subunits which can be derived from serine or terpolymers of D,L-lactide glycolide and pseudo- α -amino acid subunits which can be derived from serine. Stable vaccine preparations useful as delayed release formulations containing antigenic antigens and adjuvants encapsulated within or physically associated with polymeric microparticles are described. The microparticle carriers are useful for delivering agents to the immune system of a subject by mucosal or parenteral routes to produce immune responses, including antibody and cellular responses.



Poly-D,L-Lactide-co-Glycolide-co-pseudo-L-Z-Serine Ester (PLGpZS)



Poly-D,L-Lactide-co-Glycolide-co-pseudo-L-Serine Ester (PLGpS)

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